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1-3. (CANCELED)

4. (NEW) A wireless LAN (Local Area Network) system to be connected to a bi-directional CATV (Cable Tele-Vision) system, comprising an access point capable of being accessed from at least one wireless terminal,

wherein the bi-directional CATV system uses a first frequency band and a second frequency band for transmitting upward signals;

the bi-directional CATV system comprises a wireless transmission section for wireless transmitting of signals using a wireless frequency band in a transmission path between a center equipment of the bi-directional CATV system and the access point;

the wireless LAN system includes a LAN frequency band distinct from the wireless frequency band; and

the LAN frequency band is used for wireless transmitting of signals between the at least one wireless terminal and the access point.

5. (NEW) The wireless LAN system according to claim 4, wherein the bi-directional CATV system further comprises a downward signal frequency band used for transmitting downward signals;

one of the first frequency band and the second frequency band is higher than the downward signal transmission frequency band; and

the other of the first frequency band and the second frequency band is lower than the downward signal frequency band.

6. (NEW) A wireless LAN system to be connected to a bi-directional CATV system, comprising a remote access point capable of being accessed from at least one first wireless terminal;

wherein a first wired LAN system is connected to the bi-directional CATV system via a transmission line of the bi-directional CATV system;

the bi-directional CATV system uses a first frequency band and a second frequency band for transmitting upward signals;

the first wired LAN system includes a wireless transmission section for wireless transmitting of signals using a wireless frequency band in a transmission path between the first wired LAN system and the remote access point;

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the wireless LAN system includes a LAN frequency band distinct from the wireless frequency band; and

the LAN frequency band is used for wireless transmitting of signals between the at least one first wireless terminal and the remote access point.

7. (NEW) The wireless LAN system according to claim 6, wherein the bi-directional CATV system further comprises a downward signal frequency band used for transmitting downward signals;

one of the first frequency band and the second frequency band is higher than the downward signal transmission frequency band; and

the other of the first frequency band and the second frequency band is lower than the downward signal frequency band.

8. (NEW) The wireless LAN system according to claim 7, wherein a second wired LAN system is connected to the remote access point of the wireless LAN system.

9. (NEW) The wireless LAN system according to claim 7, wherein a second access point is connected to the first wired LAN system;

the second access point is capable of being accessed from at least one second wireless terminal; and

the LAN frequency band is used for wireless transmitting of signals between the at least one second wireless terminal and the second access point.

10. (NEW) A wireless LAN system, to be connected to a bi-directional CATV system, comprising an access point capable of being accessed from at least one wireless terminal;

wherein the bi-directional CATV system uses a first frequency band and a second frequency band for transmitting upward signals;

the CATV system comprises a wireless transmission section in an outside transmission path to provide wireless communication using a wireless frequency band in a transmission path between the access point and a branching device for branching a lead-in wire from a transmission line of said bi-directional CATV system;

the wireless LAN system includes a LAN frequency band distinct from the wireless frequency band; and

the LAN frequency band is used for wireless transmitting of signals between the at least one wireless terminal and the access point.

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11. (NEW) The wireless LAN system according to claim 10, wherein the bi-directional CATV system further comprises a downward signal frequency band used for transmitting downward signals; and

one of the first frequency band and the second frequency band is higher than the downward signal transmission frequency band; and

the other of the first frequency band and the second frequency band is lower than the downward signal frequency band.

12. (NEW) The wireless LAN system according to claim 11, wherein a wired LAN system is connected to the access point of the wireless LAN system.